

FORM PTO-1449  
(REV. 7-86)INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

ATTY. DOCKET NO.

KPN96-03A8

SERIAL NO.

08/966,985

APPLICANT

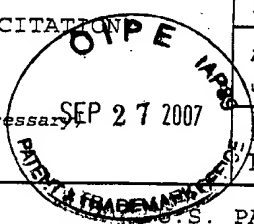
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FILING DATE

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## U.S. PATENT DOCUMENTS

| EXAM-<br>INER<br>INI-<br>TIAL |    | DOCUMENT NUMBER | DATE     | NAME                 | CLASS | SUB-<br>CLASS | FILING DATE I<br>APPROPRIATE |
|-------------------------------|----|-----------------|----------|----------------------|-------|---------------|------------------------------|
|                               | AA | 4,010,322       | 03-01-77 | Nathanson            | 358   | 233           |                              |
|                               | AB | 4,258,387       | 03-24-81 | Lemelson, et al.     | 358   | 85            |                              |
|                               | AC | 4,336,524       | 06-22-82 | Levine               | 340   | 311.1         |                              |
|                               | AD | 4,573,766       | 03-04-86 | Bournay, Jr., et al. | 350   | 345           |                              |
|                               | AE | 4,630,895       | 12-23-86 | Abdala, Jr., et al.  | 350   | 345           |                              |
|                               | AF | 4,636,866       | 01-13-87 | Hattori              | 358   | 236           |                              |
|                               | AG | 4,695,129       | 09-22-87 | Faessen              | 350   | 96.25         |                              |
|                               | AH | 4,704,740       | 11-03-87 | McKee, et al.        | 455   | 348           |                              |
|                               | AI | 4,814,876       | 03-21-89 | Horio, et al.        | 358   | 160           |                              |
|                               | AJ | 4,837,817       | 06-06-89 | Maemori              | 358   | 224           |                              |
|                               | AK | 4,856,045       | 08-08-89 | Hoshina              | 379   | 53            |                              |

## FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT NUMBER | DATE      | COUNTRY | CLASS | SUB-<br>CLASS | TRANSLATION<br>YES NO |
|--|----|-----------------|-----------|---------|-------|---------------|-----------------------|
|  | AL | 0 172 473 A2    | Feb-26-86 | Europe  |       |               |                       |
|  | AM | 0 344 881 A2    | Dec-06-89 | Europe  |       |               |                       |
|  | AN | 0 352 914 A2    | Jan-31-90 | Europe  |       |               |                       |
|  | AO | 0 424 880 A2    | May-02-91 | Europe  |       |               |                       |
|  | AP | 0 438 362 A1    | Jul-24-91 | Europe  |       |               |                       |
|  | AQ | 0 464 011 A1    | Jan-02-92 | Europe  |       |               |                       |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|    |  |
|----|--|
| AR | "Hand-held Videophone," Popular Science (1992, February)                     |
| AS | "VideoPhone price cut to \$1,000," USA TODAY (1993, January 2)               |
| AT | "SA620 Integrated Front-End," Philips Electronics North America Corp. (1993) |

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|-------------------------------|-----|-----------------|----------|-----------------|-------|---------------|----------------------------------|
|                               | AA2 | 4,856,088       | 08-08-89 | Oliwa, et al.   | 455   | 349           |                                  |
|                               | AB2 | 4,873,576       | 10-10-89 | Hattori, et al. | 358   | 224           |                                  |
|                               | AC2 | 4,916,441       | 04-10-90 | Gombrich        | 340   | 712           |                                  |
|                               | AD2 | 4,928,300       | 05-22-90 | Ogawa, et al.   | 379   | 53            |                                  |
|                               | AE2 | 4,934,773       | 06-19-90 | Becker          | 350   | 6.6           |                                  |
|                               | AF2 | 4,959,642       | 09-25-90 | Sharples        | 340   | 716           |                                  |
|                               | AG2 | 4,977,456       | 12-11-90 | Furuya          | 358   | 213.13        |                                  |
|                               | AH2 | 5,003,300       | 03-26-91 | Wells           | 340   | 705           |                                  |
|                               | AI2 | 5,008,658       | 04-16-91 | Russay, et al.  | 340   | 784           |                                  |
|                               | AJ2 | 5,008,788       | 04-16-91 | Palinkas        | 362   | 231           |                                  |
|                               | AK2 | 5,023,931       | 06-11-91 | Streck, et al.  | 455   | 21            |                                  |

## FOREIGN PATENT DOCUMENTS

|  |     | DOCUMENT NUMBER | DATE      | COUNTRY | CLASS | SUB-<br>CLASS | TRANSLATION<br>YES NC |
|--|-----|-----------------|-----------|---------|-------|---------------|-----------------------|
|  | AL2 | 0 472 361 A2    | Feb-26-92 | Europe  |       |               |                       |
|  | AM2 | 0 491 639 A1    | Jun-24-92 | Europe  |       |               | X                     |
|  | AN2 | 0 526 802 A2    | Feb-10-93 | Europe  |       |               | X                     |
|  | AO2 | 0 535 401 A1    | Apr-07-93 | Europe  |       |               |                       |
|  | AP2 | 0 539 699 A2    | May-05-93 | Europe  |       |               |                       |
|  | AQ2 | 0 539 907 A3    | May-05-93 | Europe  |       |               |                       |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|    |  |
|----|--|
| AU | Kummerow, T., Meurer, W., "Bildtelefon - ein Kommunikationsdienst im ISDN ab 1991," Telenorma Nachrichten, Telenorma Bosch Gruppe 1989 Heft 93, pp. 52, 53, index and cover page |
| AV | Linder, Ben, "A whole lot smarter," Telephony, pp. 22, 23, 26, 28 and cover (May 19, 1997)   |
| AW |  |

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|-------------------------------|-----|-----------------|----------|-------------------|-------|---------------|----------------------------------|
|                               | AA3 | 5,042,918       | 08-27-91 | Suzuki            | 359   | 59            |                                  |
|                               | AB3 | 5,048,077       | 09-10-91 | Wells, et al.     | 379   | 96            |                                  |
|                               | AC3 | 5,077,784       | 12-31-91 | Fujita, et al.    | 379   | 53            |                                  |
|                               | AD3 | 5,079,627       | 01-07-92 | Filo              | 358   | 85            |                                  |
|                               | AE3 | 5,106,179       | 04-21-92 | Kamaya, et al.    | 351   | 158           |                                  |
|                               | AF3 | 5,111,498       | 05-05-92 | Guichard, et al.  | 379   | 53            |                                  |
|                               | AG3 | 5,122,880       | 06-16-92 | Nagano            | 358   | 209           |                                  |
|                               | AH3 | 5,132,825       | 07-21-92 | Miyadera          | 359   | 85            |                                  |
|                               | AI3 | 5,138,312       | 08-11-92 | Tsukamoto, et al. | 340   | 825.44        |                                  |
|                               | AJ3 | 5,162,828       | 11-10-92 | Furness, et al.   | 353   | 122           |                                  |
|                               | AK3 | 5,164,833       | 11-17-92 | Aoki              | 358   | 224           |                                  |

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|  |     | DOCUMENT NUMBER | DATE      | COUNTRY | CLASS | SUB-<br>CLASS | TRANSLATION<br>YES NO |
|--|-----|-----------------|-----------|---------|-------|---------------|-----------------------|
|  | AL3 | 0 547 493 A1    | Jun-23-93 | Europe  |       |               |                       |
|  | AM3 | 0 551 781 A1    | Jul-21-93 | Europe  |       |               |                       |
|  | AN3 | 0 626 773 A1    | Nov-30-94 | Europe  |       |               | X                     |
|  | AO3 | EP 0 626 773 B1 | Nov-30-94 | Europe  |       |               | X                     |
|  | AP3 | 0 689 350 A2    | Dec-27-95 | Europe  |       |               |                       |
|  | AQ3 | EP 0 732 606 A2 | Sep-18-96 | Europe  |       |               |                       |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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|  | AX |  |
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|-------------------------------|-----|-----------------|----------|---------------------|-------|---------------|----------------------------------|
|                               | AA4 | 5,164,980       | 11-17-92 | Bush, et al.        | 379   | 53            |                                  |
|                               | AB4 | 5,185,712       | 02-09-93 | Sato, et al.        | 358   | 224           |                                  |
|                               | AC4 | 5,189,632       | 02-23-93 | Paaianen, et al.    | 364   | 705.05        |                                  |
|                               | AD4 | 5,206,749       | 04-27-93 | Zavracky, et al.    | 359   | 59            |                                  |
|                               | AE4 | 5,220,366       | 06-15-93 | King                | 354   | 76            |                                  |
|                               | AF4 | 5,224,198       | 06-29-93 | Jachimowicz, et al. | 385   |               |                                  |
|                               | AG4 | 5,256,562       | 10-26-93 | Vu, et al.          | 437   | 86            |                                  |
|                               | AH4 | 5,258,325       | 11-02-93 | Spitzer, et al.     | 437   | 86            |                                  |
|                               | AI4 | 5,260,625       | 11-09-93 | Holden, et al.      | 313   | 486           |                                  |
|                               | AJ4 | 5,281,957       | 01-25-94 | Schoolman           | 345   | 8             |                                  |
|                               | AK4 | 5,300,788       | 04-05-94 | Fan, et al.         | 257   | 13            |                                  |

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|  |     | DOCUMENT NUMBER | DATE      | COUNTRY | CLASS | SUB-<br>CLASS | TRANSLATION<br>YES NO |
|--|-----|-----------------|-----------|---------|-------|---------------|-----------------------|
|  | AL4 | 92/12453        | Jul-23-92 | WO      |       |               |                       |
|  | AM4 | 93/01583        | Jan-21-93 | WO      |       |               |                       |
|  | AN4 | 93/16550        | Aug-19-93 | WO      |       |               |                       |
|  | AO4 | 93/18428        | Sep-16-93 | WO      |       |               |                       |
|  | AP4 | 93/23783        | Nov-25-93 | WO      |       |               |                       |
|  | AQ4 | 94/01958        | Jan-20-94 | WO      |       |               |                       |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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|-------------------------------|-----|-----------------|----------|------------------|-------|---------------|------------------------------|
|                               | AA5 | 5,300,976       | 04-05-94 | Lim, et al.      | 354   | 219           |                              |
|                               | AB5 | 5,305,244       | 04-19-94 | Newman, et al.   | 364   | 708.1         |                              |
|                               | AC5 | 5,311,206       | 05-10-94 | Nelson           | 345   | 89            |                              |
|                               | AD5 | 5,317,236       | 05-31-94 | Zavracky, et al. | 315   | 169.3         |                              |
|                               | AE5 | 5,321,416       | 06-14-94 | Bassett, et al.  | 345   | 8             |                              |
|                               | AF5 | 5,325,429       | 06-28-94 | Kurgan           | 379   | 429           |                              |
|                               | AG5 | 5,335,276       | 08-02-94 | Thompson, et al. | 380   | 21            |                              |
|                               | AH5 | 5,347,378       | 09-13-94 | Handschy, et al. | 359   | 53            |                              |
|                               | AI5 | 5,347,400       | 09-13-94 | Hunter           | 359   | 815           |                              |
|                               | AJ5 | 5,362,671       | 11-08-94 | Zavracky, et al. | 437   | 81            |                              |
|                               | AK5 | 5,371,493       | 12-6-94  | Sharpe, et al.   | 340   | 825.34        |                              |

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|--|-----|-----------------|-----------|----------------------|-------|---------------|-----------------------|
|  | AL5 | 94/09398        | Apr-28-94 | WO                   |       |               |                       |
|  | AM5 | 94/11775        | May-26-94 | WO(English Abstract) |       |               | X                     |
|  | AN5 | 94/14152        | Jun-23-94 | WO                   |       |               |                       |
|  | AO5 | 95/11473        | Apr-27-95 | WO                   |       |               |                       |
|  | AP5 | 95/25983        | Sep-28-95 | WO                   |       |               |                       |
|  | AQ5 | 95/26110        | Sep-28-95 | WO                   |       |               |                       |

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|-------------------------------|-----|-----------------|----------|-------------------|-------|---------------|------------------------------|
|                               | AA6 | 5,376,979       | 12-27-94 | Zavracky, et al.  | 353   | 122           |                              |
|                               | AB6 | 5,381,179       | 01-10-95 | Kashimura         | 348   | 376           |                              |
|                               | AC6 | 5,404,580       | 04-04-95 | Simpson, et al.   | 455   | 89            |                              |
|                               | AD6 | 5,412,396       | 05-02-95 | Nelson            | 345   | 89            |                              |
|                               | AE6 | 5,422,656       | 06-06-95 | Allard, et al.    | 345   | 173           |                              |
|                               | AF6 | 5,444,557       | 08-22-95 | Spitzer, et al.   | 359   | 59            |                              |
|                               | AG6 | 5,469,278       | 11-21-95 | Takahara, et al.  | 359   | 51            |                              |
|                               | AH6 | 5,483,285       | 01-09-96 | Lim, et al.       | 348   | 341           |                              |
|                               | AI6 | 5,485,318       | 01-16-96 | Lebby, et al.     | 359   | 811           |                              |
|                               | AJ6 | 5,485,504       | 01-16-96 | Ohnsorge          | 379   | 58            |                              |
|                               | AK6 | 5,486,708       | 01-23-96 | Takahashi, et al. | 257   | 59            |                              |

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|  |     | DOCUMENT NUMBER | DATE      | COUNTRY | CLASS | SUB-<br>CLASS | TRANSLATION<br>YES NO |
|--|-----|-----------------|-----------|---------|-------|---------------|-----------------------|
|  | AL6 | 96/19794        | Jun-27-96 | WO      |       |               |                       |
|  | AM6 | 96/21173        | Jul-11-96 | WO      |       |               |                       |
|  | AN6 | 96/21205        | Jul-11-96 | WO      |       |               |                       |
|  | AO6 | 96/35288        | Nov-07-96 | WO      |       |               | X                     |
|  | AP6 | 97/01240        | Jan-09-97 | WO      |       |               |                       |
|  | AQ6 | 2,123,461       | Nov-15-94 | Canada  |       |               |                       |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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|  | AX |  |
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|-------------------------------|-----|-----------------|----------|--------------------|-------|---------------|------------------------------|
|                               | AA7 | 5,515,424       | 05-07-96 | Kenney             | 379   | 96            |                              |
|                               | AB7 | 5,528,285       | 06-18-96 | Morikawa, et al.   | 348   | 14            |                              |
|                               | AC7 | 5,541,640       | 07-30-96 | Larson             | 348   | 19            |                              |
|                               | AD7 | 5,548,271       | 08-20-96 | Tsuchiyama, et al. | 340   | 311.1         |                              |
|                               | AE7 | 5,549,747       | 08-27-96 | Bozler, et al.     | 117   | 43            |                              |
|                               | AF7 | 5,561,538       | 10-01-96 | Kato, et al.       | 359   | 40            |                              |
|                               | AG7 | 5,584,070       | 12-10-96 | Harris, et al.     | 455   | 346           |                              |
|                               | AH7 | 5,585,948       | 12-17-96 | Petera             | 349   | 143           |                              |
|                               | AI7 | 5,596,451       | 01-21-97 | Handschy, et al.   | 359   | 633           |                              |
|                               | AJ7 | 5,608,553       | 03-04-97 | Kim                | 349   | 61            |                              |
|                               | AK7 | 5,642,129       | 06-24-97 | Zavracky, et al.   | 345   | 100           |                              |

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|--|-----|-----------------|-----------|---------------------------|-------|---------------|-----------------------|
|  | AL7 | 27 15 446       | Oct-12-78 | Germany                   |       |               | X                     |
|  | AM7 | DE 38 28 485 A1 | Mar-01-90 | Germany(English Abstract) |       |               | X                     |
|  | AN7 | G 92 00 683.3   | Jun-06-92 | Germany                   |       |               | X                     |
|  | AO7 | 28 20 096       | Nov-15-79 | Germany(English Abstract) |       |               | X                     |
|  | AP7 | 2 242 335 A     | Sep-25-91 | UK                        |       |               |                       |
|  | AQ7 | 2,612,351       | Sep-16-88 | France                    |       |               | X                     |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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|-------------------------------|-----|-----------------|----------|---------------------|-------|---------------|------------------------------|
|                               | AA8 | 5,646,432       | 07-08-97 | Iwaki, et al.       | 257   | 347           |                              |
|                               | AB8 | 5,486,946       | 01-23-96 | Jachimowicz, et al. | 359   | 263           |                              |
|                               | AC8 | 5,539,554       | 07-23-96 | Lebby, et al.       | 359   | 83            |                              |
|                               | AD  |                 |          |                     |       |               |                              |
|                               | AE  |                 |          |                     |       |               |                              |
|                               | AF  |                 |          |                     |       |               |                              |
|                               | AG  |                 |          |                     |       |               |                              |
|                               | AH  |                 |          |                     |       |               |                              |
|                               | AI  |                 |          |                     |       |               |                              |
|                               | AJ  |                 |          |                     |       |               |                              |
|                               | AK  |                 |          |                     |       |               |                              |

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|--|-----|-----------------|-----------|--------------------------|-------|---------------|-----------------------|
|  | AL8 | 63-151283       | Jun-23-88 | Japan (English Abstract) |       |               | X                     |
|  | AM8 | 3-53785         | Mar-07-91 | Japan (English Abstract) |       |               | X                     |
|  | AN8 | 62-91045        | Apr-25-87 | Japan (English Abstract) |       |               | X                     |
|  | AO8 | 2-218251        | Aug-30-90 | Japan (English Abstract) |       |               | X                     |
|  | AP8 | 3-136487        | Jun-11-91 | Japan (English Abstract) |       |               | X                     |
|  | AQ8 | 5-14550         | Jan-22-93 | Japan (English Abstract) |       |               | X                     |

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|-------------------------------|----|-----------------|------|------|-------|---------------|-------------------------------|
|                               | AA |                 |      |      |       |               |                               |
|                               | AB |                 |      |      |       |               |                               |
|                               | AC |                 |      |      |       |               |                               |
|                               | AD |                 |      |      |       |               |                               |
|                               | AE |                 |      |      |       |               |                               |
|                               | AF |                 |      |      |       |               |                               |
|                               | AG |                 |      |      |       |               |                               |
|                               | AH |                 |      |      |       |               |                               |
|                               | AI |                 |      |      |       |               |                               |
|                               | AJ |                 |      |      |       |               |                               |
|                               | AK |                 |      |      |       |               |                               |

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|  |     | DOCUMENT NUMBER | DATE      | COUNTRY                 | CLASS | SUB-<br>CLASS | TRANSLATION<br>YES NO |
|--|-----|-----------------|-----------|-------------------------|-------|---------------|-----------------------|
|  | AL9 | 7-177398        | Jul-14-95 | Japan(English Abstract) |       |               | X                     |
|  | AM9 | 2-196570        | Aug-03-90 | Japan(English Abstract) |       |               | X                     |
|  | AN9 | 8-129157        | May-21-96 | Japan(English Abstract) |       |               | X                     |
|  | AO9 | 8-149346        | Jun-07-96 | Japan(English Abstract) |       |               | X                     |
|  | AP9 | 9-55872         | Feb-25-97 | Japan(English Abstract) |       |               | X                     |
|  | AQ9 | 9-26617         | Jan-28-97 | Japan                   |       |               | X                     |

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|-------------------------------|----|-----------------|------|------|-------|---------------|------------------------------|
|                               | AA |                 |      |      |       |               |                              |
|                               | AB |                 |      |      |       |               |                              |
|                               | AC |                 |      |      |       |               |                              |
|                               | AD |                 |      |      |       |               |                              |
|                               | AE |                 |      |      |       |               |                              |
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|                               | AJ |                 |      |      |       |               |                              |
|                               | AK |                 |      |      |       |               |                              |

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|  | AL10 | 8-76078         | Mar-22-96 | Japan                   |       |               | X                     |
|  | AM10 | 8-340546        | Dec-24-96 | Japan                   |       |               | X                     |
|  | AN10 | 8-154190        | Jun-11-96 | Japan                   |       |               | X                     |
|  | AO10 | 8-95027         | Apr-12-96 | Japan(English Abstract) |       |               | X                     |
|  | AP10 | 61-139177       | Jun-26-86 | Japan(English Abstract) |       |               | X                     |
|  | AQ10 | 8-102877        | Apr-16-96 | Japan(English Abstract) |       |               | X                     |

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|  | AL11 | 8-248499        | Sep-27-96 | Japan (English Abstract) |       |               | X                     |
|  | AM11 | 8-114783        | May-07-96 | Japan                    |       |               | X                     |
|  | AN11 | 8-149485        | Jun-07-96 | Japan                    |       |               | X                     |
|  | AO11 | 5-252523        | Sep-28-93 | Japan                    |       |               | X                     |
|  | AP11 | 1-160286        | Jun-23-89 | Japan (English Abstract) |       |               | X                     |
|  | AQ11 | 2-113656        | Apr-25-90 | Japan (English Abstract) |       |               | X                     |

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|   | APPLICANT<br><b>Jacobsen et al.</b>     |                                 |
|   | FILING DATE<br><b>November 10, 1997</b> | GROUP<br><b>2774</b>            |

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|  | AL12 | 7-235892        | Sep-05-95 | Japan          |       |               | X                     |
|  | AM12 | 3-105383        | May-02-91 | Japan          |       |               | X                     |
|  | AN12 | 6-123852        | May-06-94 | Japan          |       |               | X                     |
|  | AO12 | 2 308 486       | Dec-21-95 | United Kingdom |       |               |                       |
|  | AP12 | 2 289 555       | May-17-95 | United Kingdom |       |               |                       |
|  | AQ12 | 141,308         | May-20-94 | Japan          |       |               | X                     |

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